

YUSHCHENKO, Anisim Antonovich; GAKHOV, F.D., doktor fiz.-matem. nauk,  
prof., red.; VEREVKINA, N.M., red.; KISLYAKOVA, M.N.,  
tekhn. red.

[Theory of derivatives] Izuchenie proizvodnoi. Pod red.  
F.D.Gakhova. Minsk, Izd-vo M-va vyshego, srednego spetsial'-  
nogo i professional'nogo obrazovaniia BSSR, 1963. 61 p.  
(MIRA 16:9)

(Functions)

GAKHOV, Fedor Dmitriyevich; ROGOZHIN, V.S., dots., red.; BACHURINA, T.A., aspirant, red.; GOVORUKHINA, A.A., aspirant, red.; ZARIPOV, R.Kh., aspirant, red.; MEL'NIK, I.M., aspirant, red.; MIKHAYLOV, L.G., aspirant, red.; LITVINCHUK, G.S., aspirant, red.; PARADOKSOVA, I.A., aspirant, red.; KHASABOV, E.G., aspirant, red.; CHERSKIY, Yu.I., aspirant, red.; YANOVSKIY, S.V., aspirant, red.; ARAMANOVICH, I.G., red.; Prinimali uchastiliye: BOROVSKAYA, N.I., red.; RYSYUK, N.A., red.; SMAGINA, V.I., red.; KHAYRULLIN, I.Kh., red.; CHUMAKOV, F.V., red.; POLOVINKIN, S.M., red.; KEPPEN, I.V., red.; MIKHLIN, E.I., tekhn. red.

[Boundary value problems] Kraevye zadachi. Izd. 2., perer. i dop.  
Moskva, Fizmatgiz, 1963. 639 p. (MIRA 16:3)  
(Boundary value problems)

GAKHOV, F.D.

"Singular integral equations; boundary value problems in the theory of functions and some of their applications in mathematical physics" by N.I.Muskhelishvili. Reviewed by F.D.Gakhov. Zhur.vych.mat.i mat.fiz. 3 no.1:206-207 Ja-F '63.  
(MIRA 16:2)

(Integral equations) (Boundary value problems)  
(Muskhelishvili, N.I.)

GAKHOV, F.D.

"Mathematical methods in physics" by L.Schwartz. Reviewed by  
F.D.Gakhov. Zhur. vych. mat. i mat.fiz. 4 no.1:207-208 Ja-F  
'64. (MIRA 17:6)

GAKHOV, F.D.

Contemporary problems in the theory of boundary value problems  
of analytic functions and singular integral equations. Diff.  
urav. 1 no.6:786-798 Je '65. (MIRA 18:7)

1. Belorusskiy gosudarstvennyy universitet imeni V.I. Lenina.

L 04997-67 EWT(d) IJP(c) GD

ACC NR: AT6016793 (N) SOURCE CODE: UR/0000/65/000/000/0208/0218

AUTHOR: Gakhov, F. D.; Chibrikova, L. I.

22  
21  
B+1

ORG: [Gakhov] Belorussian University, Minsk (Beloruskiy universitet); [Chibrikova] Kazan' University, Kazan' (Kazanskiy universitet)

TITLE: The solution of continuum mechanics problems by reducing to boundary problems for automorphic functions

SOURCE: International Symposium on Applications of the Theory of Functions in Continuum Mechanics, Tiflis, 1963. Prilozheniya teorii funktsiy v mekhanike sploshnoy sredy. t. 2:

Mekhanika zhidkosti i gaza, matematicheskiye metody (Applications of the theory of functions in continuum mechanics, v. 2: Fluid and gas mechanics, mathematical methods); trudy simpoziuma. Moscow, Izd-vo Nauka, 1965, 208-218

TOPIC TAGS: continuum mechanics, boundary value problem, automorphic function, differential equation solution, CONTINUOUS FUNCTION

ABSTRACT: Many problems in continuum mechanics have been solved by various authors by means of particular methods. All these problems, however, can be solved by a single method.

Card 1/2

L 04997-67

ACC NR: AT6016793

i.e., reducing to the Riemann boundary problems for automorphic functions, a particular case of which are periodic functions. The Riemann boundary problem is formulated for the automorphic functions. Two moments are fundamental in the solution of the problem: 1) the construction of a canonical function  $X(z)$ , by means of which the problem in the general case is reduced to the problem on the discontinuity

$$\psi^+(t) - \psi^-(t) = c(t); \quad (1)$$

and 2) the solution of the discontinuity problem. A convenient method for the solution is given in detail. Orig. art. has: 16 formulas.

SUB CODE: 12,20/ SUBM DATE: 13Sep65/ ORIG REF: 015/ OTH REF: 009

Card 2/2

GAKHOVICH, A. A.

GAKHOVICH, A. A.

N/5  
755.02  
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Protivopozharnyye Meropriyatiya Na Zheleznychnom Transporte  
(Fire Prevention Measures in Railroad Transport, by) A. A. GAKHOVICH  
(1) D. P. LAVROV. Moskva, Transsheldorizdat, 1952.  
211 P. Illus., Diagrs., Tables.

GAKHOVICH, Aleksandr Aleksayavich; LAVROV, Donat Petrovich; CHERNYSHEV,  
V.I., redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[Fire prevention measures in railroad transportation] Protivopozharnye  
meropriatiia na zheleznyodorozhnom transporte. Izd. 2-oe, ispr. i dop.  
Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 270 p. (MLRA 10:2)  
(Railroads--Fires and fire prevention)

GAKICHKO, S.

PISKAREV, A., kandidat tekhnicheskikh nauk; GAKICHKO, S., kandidat tekhnicheskikh nauk.

Basic indexes of ice-coating fish. Khol.tekh. 31 no.4:36-39 O-D '54.  
(Fishery products--Preservation) (MIRA 8:1)

GAKICHKO, S. I.

(Scientific Research Institute of the Refrigerating Industry of the USSR, Moscow):  
"Refrigeration Treatment and Thawing of Caspian Anchovy Sprat" (English - 8 pages)

report presented at the International Inst. of Refrigeration (IIR), Annual  
Meetings of Commissions 3,4, and 5, Moscow, 3-6 Sep 1958.

GAKICHEO, S., kand. tekhn. nauk; PENSKAYA, K.; BORODIN, V.; BORNOVALOVA, A.

Thawing out of blocks of small fish. Khol. tekhn. 35 no. 3:39-44  
My-Je '58. (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy  
promyshlennosti.

(Fish, Frozen)

GAKichko S.I.

PAGE 2 BOOK REPRODUCTION 807/2547

International Congress of Refrigeration. Moscow, 1950

Scientific Bulletin of RIGI (Collected Series Reports) Moscow, Gekorgisdat, 1959. 221 p. Extract slip inserted. 2,000 copies printed.

Mr. (Title page); Mr. N. Kabanikhin Ed. (Title book); Mr. V. Chichkov  
Sobchikov; Mr. V. Pashchenko.

PURPOSE: The collection of articles is intended for those interested in the problem of food refrigeration.

CONTENTS: The collection contains 26 reports which were submitted at the Second All-Union Scientific Conference of the International Institute of the Science of Refrigeration. The meeting was held in Moscow, September 1-5, 1950, and was attended by 205 specialists and 135 representatives from other countries. The 73 reports discussed at this meeting cover such broad areas as the automation of the control of refrigerating installations, the use of flame-tube type refrigerating devices, fast-freezing food freezers, the theory and techniques of mobile cooling and freezing of meat and fish, the use of antibiotics in the cold storage of food, and the operation of refrigerators and cooling systems. A complete account of the proceedings of this meeting was published by the International Institute of Refrigeration in 1959. No general tables are provided. References follow several of the articles.

List of contents

Golulin, I. [Gosudarstvennyy Institut po proektirovaniyu i proizvodstvu pribytovoy prochnostnosti (State Institute for the Design and Production of Fatabilitiy of the Building and Equipment of the Food Industry)], P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, A. T. Nikoyan, and V. S. Sobchikov. Report No. 22. 32

Lekachev, D. [All-Union Scientific Research Institute of the Refrigeration Industry], A. I. Mitrofanov, Investigation of Air-Cooled Condensers 35

Reviyer, M. [Central Design Office for the Building of Refrigeration for Small Enterprises

Mechanics]. Air Conditioning in the Moscow State University Library 45

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Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Building and Equipment of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 21. 55

Reviyer, M. [Central Design Office for the Building of Refrigeration Mechanics]. Air Conditioning in the Moscow State University Library 60

Reviyer, B. Air Conditioning in the State Academic Bookshop Theater of the USSR 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Building and Equipment of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 20. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 19. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 18. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 17. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 16. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 15. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 14. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 13. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 12. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 11. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 10. 77

Sobchikov, N. I. Gosudarstvennyy Institut po proektirovaniyu khodostviya (Central Bureau of Engineering of the Food Industry), P. Freil (Motoravtokhodost' nauchno-issledovatel'skii in-t), V. K. Kabanikhin (All-Union Scientific Research Institute of the Refrigeration Industry), A. I. Mitrofanov, A. T. Nikoyan, and V. S. Sobchikov. Report No. 9. 77

GAKICHKO, Stepan Ivanovich, kand. tekhn. nauk; PISKAREV, A., kand. tekhn. nauk, nauchnyy red.; MALKHASIAN, V.I., red.; BALASHOV, V.I., tekhn. red.

[Refrigeration and storage of the Sprat Clupeonella engrauliformis (Borodin)] Kholodil'naya obrabotka i khranenie kaspiskoi anchouso-vidnoi kil'ki; nauchnoe soobshchenie. Moskva, Gos. izd-vo torg. lit-ry, 1957. 22 p. (MIRA 14:7)

(Sprats—Preservation)

ALEKSEYEV, P.A., kand.tekhn.nauk; VYSOTSKAYA, O.M., inzh.; GAKICHKO, S.I.,  
kand.tekhn.nauk; KONOKOTIN, G.S., kand.tekhn.nauk

Natural loss of meat and fish in rail transportation. Khol. tekhn.  
38 no.4:48-50 Jl-Ag '61. (MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy  
promyshlennosti im. A.I.Mikoyana (for Alekseyev, Vysotskaya,  
Gakichko). 2. Nauchno-issledovatel'skiy institut mekhanizatsii  
rybnoy promyshlennosti (for Konokotin).

(Meat, Frozen--Transportation) (Fish, Frozen--Transportation)

GAKICHKO, S.I.; POMICHEVA, K.M.; DUBROVSKAYA, T.A.

Preservation of North Sea herring in chilled seawater.  
Part 1: Technological research. Khol. tekhn. 39 no.5:25-29  
S-0 '62. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy  
promyshlennosti.  
(Fishery products—Preservation)  
(Cold storage on shipboard)

GAKKEL', A.G.; KATSNEL'SON, G.N.

Dynamometer for determining variable forces occurring in a moving  
flexible body. Zav.lab. 22 no.1:120-121 '56. (MLRA 9:5)

1. Leningradskiy institut kinoinzhenerov.  
(Dynamometer)

PUGACHEV, Aleksandr Sergeyevich; GAKKEL', A.G., retsenzent; KHOTENKOVA, O.S., retsenzent; KORZHENKO, V.M., retsenzent; SKIBINSKIY, M.D., nauchn. red.; SOSIPATROV, O.A., red.

[Technical drawing] Tekhnicheskoe risovanie. Leningrad,  
Izd-vo "Sudostroenie," 1964. 143 p. (MIRA 17:6)

AISTOV, Nikolay Nikolayevich, prof., doktor tekhn.nauk, zasluzhennyy  
deyatel' nauki i tekhniki RSFSR; DAVIDENKOV, N.N., retsenzent;  
GAKKEL', A.I., nauchnyy red.; MEYTUS, M.E., red.izd-va;  
VORONETSKAYA, L.V., tekhn.red.

[Testing structures] Ispytanie sooruzhenii. Izd.2., ispr. i  
dop. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.  
materialam, 1960. 315 p. (MIRA 13:9)

1. Deystvitel'nyy chlen Akademii nauk USSR (for Davidenkov).  
(Strains and stresses) (Structural frames--Testing)

GAKKEL, I.

"Something New Under the Arctic Ice"

(Comments)

Geographia, Aug. 55

GAKKEL', L.B.

Method of investigation of directional speech reactions. Fiziol. zh.  
SSSR 37 no.5:547-552 Sept-Oct 51. (CIML 21:4)

1. Institute of Experimental Medicine, Academy of Medical Sciences USSR,  
Leningrad.

OAKKEL' L.B.

Results of comparative studies on disorders of the higher nervous function in oligophrenia and senile dementia. Zh. vyshei nerv. deiat. 3 no.1:92-98 Jan-Feb 1953. (CLMI 24:2)

1. Institute of Experimental Medicine of the Academy of Medical Sciences USSR.

GAKKEL<sup>1</sup>, L.B.; ZININA, N.V.

Modifications on the higher nervous function in men over 60 years  
of age. Fiziol. zh. SSSR 39 no.5:533-539 Sept-Oct 1953. (CIML 25:4)

1. Department of the Physiology and Pathophysiology of Higher Nervous  
Activity, Institute of Experimental Medicine of the Academy of Medical  
Sciences USSR, Leningrad.

GAKKEL', L.B.; ZAGRUBSKAYA, A.L.; MEYER, M.N.; MOLOTKOVA, I.A.

Prolonged sleep therapy of temporary disturbances occurring  
in oligophrenia. Zhur.nevr.i psikh. 54 no.2:149-152 F '54.

(MLRA 7:3)

1. Institut eksperimental'noy meditsiny i Dom invalidov im.  
K.Marksa v Leningrade. (Sleep) (Inefficiency, Intellectual))

GAKKEL, L.B.

[Sleep, dreams, hypnosis] Son, Snovidenia, gipnoz. Leningrad,  
1955. 25 p. (MLRA 9:1)  
(SLEEP) (DREAMS) (HYPNOSIS)

GANKEL', L.B.

Role of induction phenomena in the interaction of the signal systems.  
Zh. vys. nerv. deiat. 5 no.6:801-806 N-D '55. (MLRA 9:3)

1. Laboratoriya patofisiologii vysshey nervnoy deyatel'nosti cheloveka fiziologicheskogo otdela imeni I.P. Pavlova IEM AMN SSSR.  
(CEREBRAL CORTEX,  
signal systems, role of induction in correlation)

BIRYUKOV, D.A.; GAKKEL', L.B.

"Higher nervous activity in man" in Czech; collected works.  
Reviewed by D. A. Biriukov, L.B.Gakkel'. Fiziol.zhur. 41  
no.5:714-717 S-O '55. (MLRA 8:12)  
(NERVOUS SYSTEM)

GAKKEL, L. B.

the phosphopyridine nucleotides of the blood of patients with neurologic and organic diseases of the nervous system. S. A. Dmitrieva, L. B. Gulyakina, and A. M. Petrushkina, Zhur. Neurologii i Psichiatrii im. Korsakova, 55:1-4 (1955). The method for the determination of coenzyme I and II (1) in 0.25-0.50 ml. of blood was adopted for the purpose of this study. (M. L. Petrushnikina and A. M. Petrushkina, Practical Biochemistry, Leningrad, 1931, p. 316). Patients (162) with different neurologic diseases, 29 with organic neuro-diseases and 10 controls were studied. All received approximately the same diet. In patients with symptoms of neuroses the greater part of the cases was either on the low level or below normal. In patients with organic diseases stayed well within the normal levels. The blood content of nicotinic acid derivatives was found in patients with symptoms of depression, the degree of running roughly parallel to the gravity of the depression.

GEEKEL', Iyudmila Borisovna; VILENSKIY, B.S., redaktor; RULEVA, M.S.,  
tekhnicheskiy redaktor

[The pathophysiological mechanism and clinical aspects of the  
obsession syndrome] Patofiziologicheskii mekhanism i klinika sindroma  
naviazchivosti. [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe  
otd-nie, 1956. 80 p. (MLRA 9:10)  
(FIXED IDEAS)

GAKKEL, L. B.

Country : USSR  
Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior.

T

Abs Jour: RZhBiol., No 19, 1958, 89228

Author : Gakkel', L.B.; Zunkina, A.M.; Zunkin, N.V.;  
Kaplan, A. Ye.; Kryshova, N.A.

Inst : -

Title : Afterimages in Patients with Brain Injuries.

Orig Pub: Zh. vyssh. nervn. deyat-sti, 1957, 7, № 4, 215-224

Abstract: In fifty patients with closed injuries of the brain, disappearance or marked shortening of afterimages (AI) in the optic, tactile and thermal analyzers was observed, which is considered a result of defensive inhibition. Asymmetry of AI was noted in patients with various degrees of damage of the right

Card : 1/2

T-101

Country : USSR

Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior.

Abs Jour: RZhBiol., № 19, 1958, 89228

and left hemispheres. In injuries of the cerebellum disappearance of AI was observed on the side of the damage, or bi-laterally. Disturbances of AI resulted not only from damage of the corresponding analyzer but also in general cerebral manifestations, conditioned by disturbances of the adaptational and trophical effects of the sympathetic nervous system upon the C.N.S. -- N.N. Zislina

Card : 2/2

GAKKEL, L. B.

Country : USSR

T

Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior.

Abs Jour: RZhBiol., No 19, 1958, 89228

Author : Gakkel', L.B.; Zankina, A.M.; Zankin, N.V.;  
Kaplan, I. Ye.; Krysheva, N.A.

Inst : -

Title : Afterimages in Patients with Brain Injuries.

Orig Pub: Zh. vyssh. nervn. deyat-sti, 1957, 7, № 4, 215-224

Abstract: In fifty patients with closed injuries of the brain, disappearance or marked shortening of afterimages (AI) in the optic, tactile and thermal analyzers was observed, which is considered a result of defensive inhibition. Asymmetry of AI was noted in patients with various degrees of damage of the right

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T-101

Country : USSR  
Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior.

Abs Jour: RZhBiol., № 19, 1958, 89228

and left hemispheres. In injuries of the cerebellum disappearance of AI was observed on the side of the damage, or bi-laterally. Disturbances of AI resulted not only from damage of the corresponding analyzer but also in general cerebral manifestations, conditioned by disturbances of the adaptational and trophical effects of the sympathetic nervous system upon the C.N.S. -- N.N. Zislina

Card : 2/2

T

Country : USSR  
Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior

Abs Jour: RZhEiol., N. 19, 1958, 89263

Author : Gakkel, L.B.; Melotkova, I.A.; Trofimov, N.M.

Inst :  
Title : Investigation of the Disturbances of Nervous Processes  
in Oligophrenic Patients.

Orig Pub: Zh. Vyssh. nerv. deyat-sti, 1957, 7, № 4, 494-500

Abstract: In 50 patients with oligophrenia without gross focal changes, disorders of the regulation of the vegetative functions were observed; absence of vasomotor reactions in subjects with severe degrees of disturbances of the higher nervous activity, low mobility and arrhythmia of the respiratory curve;

Card : 1/3

T-120

Country : USSR  
Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior.

T

Abs Jour: RZhBiol., № 19, 1958, 89263

weak expression of the non-conditioned alimentary reflex. Oriented activity was absent or was inert. Consolidation and extinction of motor conditioned reflexes pointed to the inertia of the excitatory process. The weakness of internal inhibition was manifested in the lack of consolidation of differentiations and was compensated by the administration of minimal doses of NaBr. The difficulty of formation of conditioned reflexes to complex stimulants was evidence of disturbances of the synthetic activity. A pathological consolidation of formed temporary associations.

Card : 2/3

Country : USSR

Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior.

T

Abs Jour: RZhBiol., № 19, 1958, 89263

tions in the first signal system as well as between the signal systems was noted. -- N.N. Zislina.

Card : 3/3

T-121

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CIA-RDP86-00513R000614010020-7

GAKKEL, L.B.

GAKKEL, L.B.

"Problems in the higher nervous activity of the normal and abnormal child" Zhur.vys.nerv.deiat. 7 no.5:786-788 S-O '57. (MIRA 10:12)  
(PSYCHOLOGY, PHYSIOLOGICAL)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614010020-7"

GAKKEL', L.B. (Leningrad)

Coordination of physiopathological and clinical methods in psychiatry.  
Zhur.nevr.i psich. 58 no.3:358-359 '58. (MIRA 13:3)  
(PSYCHIATRY

coordination of physiol. & clin. methods in  
psychiatry (Rus))

DAVIDENKOV, S.N., prof.; GAKKEL', L.B., prof.; KUPALOV, P.S., prof.;  
GALKIN, V.S., prof. [deceased]; POPOV, Ye.A., prof.; USPENSKIY,  
Ye.A., doktor med.nauk; TYAPUGIN, N.P., kand.med.nauk; LEV,  
A.A., kand.med.nauk; FILIMONOV, N.I., zamestitel' otv.red.;  
BOGOLIPOV, N.K., prof., red.; MIKHEYEV, V.V., prof., red.;  
RAZDOL'SKIY, I.Ia., red.; FUTER, D.S., prof., red.; ROGOVER,  
A.B., kand.med.nauk, red.; RUL'VA, M.S., tekhn.red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po  
nevrologii. Leningrad, Gos.izd-vo med.lit-ry, Leningr. otd-nie.  
Vol.6. [Neuroses, epilepsy, and narcolepsy] Nevrozy, epilepsiia  
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1. Deystvitel'nyye chleny AMN SSSR (for Davidenkov, Kupalov,  
Popov). 2. Chleny-korrespondenty AMN SSSR (for Filimonov, Raz-  
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(NEUROLOGY)

GAKKEL', L.B.

Conference on the higher nervous activity of man. Zhur.vys.nerv.  
deiat. 11 no.3:566-569 My-Je '61. (MIRA 14:7)  
(CONDITIONED RESPONSE--CONGRESSES)

GAKKEL', L.B., prof.; PAVLOVA, Ye.N.; USOV, A.G., kand.med.nauk

Use of phenantine in hypertension with asthenic syndrome in aged subjects. Sov. med. 25 no.5:142-143 My '61. (MIRA 14:6)

1. Iz fiziologicheskogo otdela imeni I.P.Pavlova (zav. - deystvitel'nyy chlen AMN SSSR prof. P.S.Kupalov) Instituta eksperimental'noy meditsiny in doma invalidov imeni Karla Marksa (dir. M.A.Rayevskiy).  
(HYPERTENSION) (ASTHENIA) (NICOTINIC ACID)

GAKKEL<sup>1</sup>, L.B.

New data on higher nervous activity in man. Vest. AMN SSSR 16 no.11:  
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(NERVOUS SYSTEM)

GACKEL, Ya. Ya.

GACKEL, Yakov Yakovlevich

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DLC: G600. P7

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DLC: G600.A7

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DLC: G600.S6

Prokhodimost' l'dov na Severnom morskom puti. Penetrability of ice on the Northern Sea Route. (Sovetskaia Arktika, 1937, no. 8, p. 92-98, illus., tables.).

DLC: G600.S6

SD: Soviet Transportation and Communications, A Bibliography, Library of Congress.  
Reference Department, Washington, 1952, Unclassified.

GAKKEL; Ya-Ya.

Instructions for carrying out observations  
on the movements of the ice from board the ship,  
Publications of AHIL GUSMP, (the Main Office of  
the Northern Sea Route), Moscow, 1944.

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614010020-7

GARFEL', Ya-Ya.

One quarter of a century. The Main Northern Sea  
Route. Moscow-Leningrad, 1945.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614010020-7"

GAKKEL', Ya.  
doktor geograficheskikh nauk.

Submarine Lomonosov Range. Vokrug sveta no.11:4-7 N '54. (MLRA 7:11)  
(Arctic regions--Submarine topography) (Submarine topography--  
Arctic regions)

Translation D 306420, 12 Aug 55

GAKKEL', Ya. Ya.

EMLOV, Mikhail Ivanovich, kandidat istoricheskikh nauk, starshiy nauchnyy sotrudnik; GAKKEL', Ya. Ya., professor, doktor istoricheskikh nauk; redaktor; OKLADNIKOV, A.P., professor, doktor istoricheskikh nauk, redaktor; CHERNENKO, M.B., redaktor; DIZHUR, I.M., redaktor izdaniel'stva; TIKHONOVA, Ye.A., tekhnicheskikh redaktor

[History of the discovery and use of the North Sea route] Istorija otkrytiia i osvoyeniia Severnogo morskogo puti. Moskva, Izd-vo "Morskoi transport." Vol.1. [Arctic voyages from ancient times to the middle of the 19th century] Arkticheskoe moreplavanie s drevneishikh vremen do serediny XIX veka. 591 p. (MLRA 9:12)

1. Leningrad. Arkticheskiy nauchno-issledovatel'skiy institut.
2. Uchenyy sekretar' Komissii po problemam Severa Akademii nauk SSSR (for Chernenko)  
(Northeast passage)

BELOV, Mikhail Ivanovich; GAKKEI, Ya. Ya., red.; OELADNIKOVA, A.P., red.;  
CHERENENKO, M.B., red.

[Arctic voyages from ancient times to the middle of the 19th  
century] Arkticheskoe moreplavanie s drevneishikh vremen do  
serediny XIX veka. Morskoi transport, 1956. 591 p.

(MIRA 12:2)

(Arctic regions--Voyages and travels)

GAKKEL', Ya. Ya.

Dostizheniya nauki za 40 let izucheniya Sovetskoy Arktiki ( Achievements of Science  
in 40 Years of Study of the Soviet Arctic) Publishing House of "Morskoy Transport"  
1957.

Sovetskiye Knigi, No. 165, 1957, p. 31

PHASE I BOOK EXPLOITATION 975

Gakkel', Yakov Yakovlevich

Nauka i osvoyeniye Arktiki; k sorokaletiyu sovetskikh issledovaniy (Science and Mastery of the Arctic; Forty Years of Soviet Research) Leningrad, Izd-vo "Morskoy transport", 1957. 131 p. 7,000 copies printed.

Resp. Ed.: Frolov, V.V.; Tech. Ed.: Drozhzhina, L. P.

PURPOSE: The book is written in a semipopular style and is addressed to readers interested in Soviet exploration of the Arctic.

COVERAGE: The book reviews Soviet exploration and achievements in the Arctic during the last 40 years. The author discusses navigation in Arctic waters, search and establishment of a sea route along the northern coast of the USSR from the Barents Sea to the Bering Strait, and the industrial development of the frozen North. He presents the achievements of over 200 leading polar travelers, explorers, scientists, geophysicists, oceanographers, glaciologists, flyers, etc. The text is accompanied by photographs, diagrams and maps. No bibliographic references are cited.

Card 1/4

Science and Mastery of the Arctic (Cont.) 975

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AVAILABLE: Library of Congress

Card 4/4

MM/mas  
12-24-58

RUZOV, Leonid Vladimirovich; ~~AKKERL'~~, Ya. Ya., redaktor; MEZINOV, M.M.,  
redaktor izdatel'stva; TIKHONOV, Ye.A., tekhnicheskiy redaktor

[On land and sea in the Arctic] Na sushe i na more v Arktilke.  
Moskva, Izd-vo "Morskoi transport," 1957. 241 p. (MIRA 10:8)  
(Arctic regions)

GAKKEL', Ya., professor.

High latitude oceanographic expedition to the northern part of the  
Greenland Sea. Mor. flot. 17 no.3:25-27 Mr '57. (MLRA 10:3)

1. Zamestitel' nachal'nika Vysokoshirotnoy okeanograficheskoy  
ekspeditsii v severnyu chasti Grenlandskogo morya.  
(Greenland Sea--Oceanographic research)

*GAKKEL', Ya. Ya.*

LICHKOV, B.L.; GAKKEL', Ya.Ya.

Second conference on problems relating to the astrogeology. Izv.  
Vses. Geog. ob-va 89 no.2:170-175 Mr-Ap '57. (MLRA 10:6)  
(Earth)

GAEKEL' Ia.Ia.

Leningrad and the Northeast Passage. Izv.Vses.geog.ob-va 89  
no.3:181-192 My-~~Ye~~ '57. (MIRA 10:11)  
(Northeast Passage)

~~GAKKEL~~, Ya, Ya

The mainland slope as a geographical zone of the Arctic Ocean.  
Inv. Vses. geog. ob-vn 89 no. 6:493-507 N-D '57. (MIRA 10:12)  
(Arctic regions)

GAKKEL', Ya.Ya.

Discovery of a buoy from the SS "Chelyuskin." Probl.Arkt. no.3:111  
' 58. (MIRA 12:1)

(Chukchi Sea--Shipwrecks)

AUTHOR: Gakkel', Ya.Ya., Professor 26-58-4-22/45

TITLE: Indications of Existing Underwater Volcanism in the Lomonosov Mountain Range (Priznaki sovremennoego podvodnogo vulkanizma na khrebrete Lomonosova)

PERIODICAL: Priroda, 1958, Nr 4, pp 87-90 (USSR)

ABSTRACT: The article deals with volcanic activity on the bottom of the Arctic Ocean as discovered by members of the Soviet scientific research station SP-3, which drifted on an ice floe in the area above the Lomonosov mountain range near the North Pole. In the Arctic Ocean, the seismic belt is located near the Lomonosov mountain range, and there are indications that there is also some volcanic activity in the range itself. On November 21, 1956, at 1230 hours, the inhabitants of station SP-3 were alerted by a heavy shock. It was followed by three other still stronger quakes at night. On November 24, 1956, a loud noise was heard and the ice floe burst in two halves. At the same time a strong smell of hydrogen sulfide was noted which almost poisoned one member of the expedition. The author concludes that the ice floe must have broken due to an underwater eruption, or at least some volcanic activity must

Card 1/2

26-58-4-22/45

Indications of Existing Underwater Volcanism in the Lomonosov Mountain Range

have caused a gas bubble to rise to the surface. Such a possible eruption on the sea bottom is of special interest to science as it is the first of its kind observed near the North Pole. Investigations of the bottom deposits in that area obtained in 1949, 1950 and 1954 by the Arkticheskiy institut (The Arctic Institute) show that they contain extensive quantities of volcanic glass, suggesting volcanic activity in that area.

There is 1 chart and 4 Soviet references.

ASSOCIATION: Arkticheskiy nauchno-issledovatel'skiy institut - Leningrad  
(Arctic Scientific Research Institute - Leningrad)

AVAILABLE: Library of Congress

Card 2/2      1. Volcanoes-Arctic Ocean    2. Underwater volcanoes-Arctic Ocean

GAKKEL', Ya.Ya.

Erosion of Semenovskiy Island. Probl.Arkt. no.4:95-97 '58.  
(MIRA 11:12)  
(Semenovskiy Island--Erosion)

BELOV, Mikhail Ivanovich, doktor istor.nauk, starshiy nauchnyy sotrudnik;  
Prinimala uchastiye BASHMURINA, N.I., mladshiy nauchnyy sotrudnik.  
GAKKEL', Ia.Ya., prof., doktor geograf.nauk, red.; CHERNENKO, M.B.,  
red.; PRISHMAN, Z.S., red.izd-va; KOTLYAKOVA, O.I., tekhn.red.

[History of the discovery and development of the northern route]  
Istoriia otkrytiia i osvoeniia Severnogo morskogo puti. Leningrad,  
Izd-vo "Morskoi transport." Vol.3. [Soviet arctic navigation]  
Sovetskoe arkticheskoe moreplavanie, 1917-1932 g.g. Pod red. IA.IA.  
Gakkelia i M.B.Chernenko. 1959. 509 p. (MIRA 13:4)

1. Leningrad. Arkticheskiy nauchno-issledovatel'skiy institut.
2. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut (for Belov).

(Russia, Northern--Discovery and exploration)

AUTHOR: Gakkel', Ya. Ya., Doctor of Geophysical Sciences, Professor SOV/25-59-1-13/51

TITLE: The IGY in Arctic Regions ( MGG v arktike )

PERIODICAL: Nauka i zhizn', 1959, Nr 1, pp 23 - 26 (USSR)

ABSTRACT: The article deals with research in arctic regions carried out by the USSR within the framework of the International Geophysical Year. The observations made, and experience gained by the scientific research stations "SP-7" and "SP-6" and independent radio-meteorological stations drifting on ice are described in general. There are 6 photos.

Card 1/1

3(5,9)

SOV/12-91-1-3/22

AUTHOR:

Gakkol', Ya.Ya.

TITLE: The Natural "Modelling" of the Tectonic Deformations on the Ice Crust (Prirodnoye "modelirovaniye" tektonicheskikh deformatsiy na ledyanoy kore)

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, Vol 91, Nr 1, pp 27-41 (USSR)

ABSTRACT: Mentioning the now wide-spread, experimental method of laboratory "modelling" for geological research purposes, and the research of the scientists D.S. Belyankin, V.V. Belousov and A.V. Peyve in this field, the author states that ice is the ideal material for such a modelling, and that the best conditions in this case are created by nature itself. He describes a number of tests demonstrated by nature and investigated by various scientists. In this connection, the experiments carried out in the laboratory of the Arkticheskiy nauchno-issledovatel'skiy institut (Arctic Scientific Research Institute) under Engineer M.K. Tarshis are mentioned. The names of the following scientists are also listed as having dealt with tectonic deformations on the ice crust:

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SOV/12-91-1-3/22

The Natural "Modelling" of the Tectonic Deformations on the Ice Crust

N.S. Spafariy, V.A. Obruchev, A. Krauze, Shostakovich, V.M. Sokol'nikov, V.S. Spichkin, S.A. Bernshteyn, V.I. Venediktov, V.N. Sergeyev, Ye. Nekrasov, N.N. Zubov, G.R. Bregman, V.P. Proskuryakov, P.P. Kobeko, N.I. Dem'yancov. The author reaches the conclusion that some phenomena, neglected up to now in scientific studies, could play a substantial role in forming the relief of the ice crust, e.g. mounds of ice swelling which were observed by him in 1956 in the Greenland Sea, and which in the magnitude of their occurrence proved to be also characteristic of the surface of the ice crust (the formation of its relief has formerly been ascribed only to ice pack). Several peculiarities in the formation and transformation of the relief of the ice crust are the result of the action of tangential and vertical "tectonic" forces, and are of scientific interest not only in connection with ice research, but

Card 2/3

SOV/12-91-1-3/22

The Natural "Modelling" of the Tectonic Deformations on the Ice Crust

also for the natural "modelling" of tectonic phenomena in  
the earth's crust. There are 2 graphs, 8 photos, and 19  
references, 14 of which are Soviet and 5 American.

Card 3/3

GAKKEL, YT, Y.A.

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Program Arctic & Antarctic Regions, No. 17, Vol. 1, Pt. 1,  
Arctic Circle Collection of Articles, Pt. 2, Pt. 3, Pt. 4,  
1950. Soviet Army General Staff Publishing House, Leningrad.

Additional Geomagnetic Survey: USSR. Institute of Physics of the  
University of Gorky, Moscow, 1950.

Report, Part VV, Vol. 1, Geologic, Mineralogical, and Petrographical  
Survey, Arctic & Antarctic Regions, No. 17, Vol. 1, Pt. 1,  
Pt. 2, Pt. 3, Pt. 4, Leningrad, 1950. Institute of Physics of the  
University of Gorky, Moscow, 1950.

French. The Distribution of Arthropods in the Tundra of the  
Gakkel Peninsula in the Arctic Ocean. In: "Arctic and Antarctic  
Regions," Vol. 1, Collection of Scientific Papers of the  
Geographic Institute of the USSR Academy of Sciences, Pt. 1,  
1950. Institute of Geography of the USSR Academy of Sciences,  
Moscow, 1950.

Source of Contributions  
Gulyayev, N. P. and V. N. Smirnov. Modeling the Distribution of Marine  
Organisms in the Arctic Seas  
45

Gulyayev, N. P. Effect of Temperature Variations on the Tundra. Institute  
of Geography of the USSR Academy of Sciences  
45

Gulyayev, N. P. Computation of Variations Between Landscapes  
45

Ivanov, V. G. Accuracy of Radio Readings on Elliptical Wire Paths  
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47

Gulyayev, N. P. Eleven-Year Cycles of Variation in the Number of Arrested  
Electron-Magnetic and Radiometric Methods  
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Korzhovich, Yu. S. The Origin of Antarctic Glaciations  
55

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Korzhovich, Yu. S. Total Area and Number of Islands of Franz-Josef Land  
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Korzhovich, Yu. S. The Problem of Observation of Tidal Changes in  
Sea Concentration  
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Korzhovich, Yu. S. Methods of Measuring Surface Currents by  
Observing the Drift of Free-Plastic Devices  
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Korzhovich, Yu. S. Method of Processing Geomagnetic Observations  
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GHz Simultaneously  
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Korzhovich, Yu. S. The Voyage of the Oceanographic Expedition  
to the Southern Sea in 1959  
75

Korzhovich, Yu. S. High-Latitude Aerial Expedition of 1959  
78

Korzhovich, Yu. S. History of Congress  
80

28/10/60

97-60

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Korzhovich, Yu. S. The Voyage of the Oceanographic Expedition  
to the Southern Sea in 1959  
75

Korzhovich, Yu. S. High-Latitude Aerial Expedition of 1959  
78

Korzhovich, Yu. S. History of Congress  
80

GAKKEI', Yakov Ya.

"Main features of the Arctic Basin Bottom Morphology."

report to be submitted for the Intl. Geographical Union, 10th General Assembly and  
19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960

3.5/20

31594  
S/169/61/000/010/039/05  
D228/D304

AUTHOR:

Gakkel', Ya. Ya.

TITLE:

Significance of geophysical observations of satellites  
in investigating polar and subpolar regions

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 10, 1961, 22,  
abstract 10G132 (V. sb. Probl. Artiki i Antarktiki,  
no. 6, L., Morsk. transport, 1960, 47-49)

TEXT: The areas of the Siberian Platform and Canadian Shield are characterized by extreme values of the intensity of the earth's magnetic field. The sources of such magnetic anomalies should be sought in the abyssal crustal layers or even in the substratum beneath the crust. This point of view is confirmed by magnetometric data obtained from the third Soviet satellite. The East Siberian (and also the Canadian) energy center is situated at the intersection of the 62° critical parallel with the 105°E - 75°W critical meridian. In accordance with the geotectonic puls-

Card 1/2

Significance of...

31594  
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D228/D304

tion hypothesis, proposed by V. A. Obruchev, special tectonic conditions are created under the influence of the earth's variable volume and its consequently irregular rotation along certain definite circles--the critical parallels and critical meridians. This conception as a result of geophysical observations accomplished by means of Soviet satellites has received additional confirmation. It is established that the content of atomic nitrogen in the ionosphere with respect to atomic oxygen varies from 1 to 10% depending on the altitude and geographic latitude. A sharply increased concentration of ions of atomic nitrogen at heights of 226 - 260 km is observed around 60°N. The intensity of roentgen radiation in the outer zone of heightened cosmic radiation increased abruptly in the belt of the 55° - 65° parallels of the northern and southern geomagnetic latitudes. According to the data of American satellites, high radiation intensity was detected at the equator in the inner zone of increased radiation. Soviet research in Eastern Antarctica has shown that in the gravitational respect its central area is characterized as a major regional negative anomaly. 11 references. *[Abstracter's note: Complete translation.]*

Card 2/2

GAKKEL', Ya.Ya., SAMSONIYA, L.P.

First drifting radio buoys. Okeanologiya 1 no.4:691-701 '61.  
(MIRA 14:11)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy  
institut.  
(Arctic regions--Buoys) (Ocean currents)

GAKKEL', Ya.Ya, doktor geograf.nauk

Lomonosov and Antarctica. Inform. biul. Sob. antark. eksp. no.25:  
5-7 '61. (MIRA 14:5)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.  
(Antarctic regions)  
(Lomonosov, Mikhail Vasil'evich, 1711-1765)

GAKKEL', Ya.Ya.; DEMIN, L.A.

Evgenii Evgen'evich Shvede. Izv.Vses.geog.ob-va 93 no.3:268-269  
Mys-Je '61. (MIRA 14;5)  
(Shvede, Evgenii Evgen'evich, 1890-)

KOVYAZIN, Nikolay Mikhaylovich; KUZAKOV, Kuz'ma Grigor'yevich;  
UVACHAN, V.N., red.; GAKKEL', Ya.Ya., doktor geogr. nauk, prof.,  
otv. red.; DAGIN, Ye.G., red.izd-va; ZAMARAYEVA, R.A., tekhn.  
red.

[Soviet Evenki National Area; a sketch of the economic geography]  
Sovetskaia Evenkiia; ekonomiko-geograficheskii ocherk. Pod ob-  
shchel red. V.N.Uvachana. Moskva, Izd-vo Akad. nauk SSSR, 1962.  
187 p.

(Evenki National Area--Economic geography)

VORONOV, P.S.; GAKKEL', Ya.Ya.; SYTINSKIY, A.D.

Possible effect of the earth's rotation forces on the morphological structure of the Arctic and the Antarctic. Probl. Arkt.  
i Antarkt. no.10:17-26 '62. (MIRA 16:2)  
(Earth—Rotation) (Arctic regions—Geomorphology)  
(Antarctic regions—Geomorphology)

GAKKEL', Ya.Ya.

Morphotectonic features of the Arctic basin. Probl.Arkt.1  
Antarkt. no.11:25-29 '62. (MIRA 16:2)  
(Arctic regions—Geology, Structural)

42559

S/814/62/015/000/001/002

AUTHOR: Gakkel!, Ya. Ya.

TITLE: Critical parallels in the ionosphere.

SOURCE: Geograficheskoye obshchestvo SSSR. Geograficheskiy sbornik, v. 15. Astrogeologiya. Moscow, 1962, 45-46.

TEXT: The paper analyzes data presented by Academician A. N. Nesmeyanov at the general assembly of the AS USSR in March 1959 to generalize the concept of critical parallels of latitude to the ionosphere. Satellite observations have shown that all ionospheric components depend significantly on the geographic or geomagnetic latitude. Thus, the atomic-N ion content at heights of 226-260 km grows sharply near  $60^{\circ}$ N (the extremal parallel in the lithosphere is  $61^{\circ}$ ). The atomic-N to atomic-O ratio in the ionosphere varies (from 1 to 10%) with height, latitude, and time. In the outer zone of intense cosmic radiation, the X-ray intensity grows sharply in the  $55$ - $65^{\circ}$ N and S latitude belts, whereas the higher latitudes, up to the poles, are free of X-rays. In the inner zone of intense radiation a high intensity occurs at the equator. Sputnik-III data at about 1,000-km elevation show a charged-particle-filled space up to  $35^{\circ}$ N and S geomagnetic latitude; the lower level of the inner zone of intense radiation differs in the eastern and western hemispheres.

Card 1/2

Critical parallels in the ionosphere.

S/814/62/015/000/001/002

sphere; hence, the displacement of the magnetic dipole relative to the center of the earth. Powerful electron streams, to which A. N. Nesmeyanov attributes the formation of the auroras and which, upon collision with atoms and molecules in the upper atmosphere, may give off X-rays, increase in intensity from the equator to the poles. Thus the peculiar deformation field along critical circles, earlier discovered in the lithosphere, hydrosphere, and troposphere, has now been traced by satellites into the ionosphere. Satellite drag calculations indicate that the atmospheric density, too, is subject to latitudinal (and diurnal) changes. Magnetometric observations by Sputnik-III yield another interesting finding, namely, that the Eastern-Siberian magnetic anomaly, which is located at the intersection of the two critical circles of  $61^{\circ}$  N latitude and  $105^{\circ}$  E longitude, constitutes a unique deep-seated energy center of the earth, in which extremal stresses of geotectonic, geomagnetic, and other nature attain extremal values. Lastly, it is noted that an American artificial satellite with a near-polar orbit has reportedly a higher perigee when the perigee is above the south pole and a lower perigee when the perigee is above the north pole, a fact which correlates well with the observed major gravitational anomaly in Antarctica. There are no figures, tables, or references. X

ASSOCIATION: None given.

Card 2/2

BEHOUNEK, Frantisek; GAKKEL', Ya.Ya., red.

[Tragedy in the Arctic Ocean. Translated from the Czech]  
Tragediia v Ledovitom okeane. Posleslovie Miroslava  
Ganusha. Moskva, Izd-vo inostr. lit-ry, 1962. 295 p.  
(MIRA 17:4)

PANOV, Dmitriy Gennadiyevich; GAKKEL', Ya.Ya., doktor geograf.nauk, prof.,  
otv. red.; PAVLOVSKIY, Ye.N. akademik, glavnnyy red.; TSVETKOV, N.V.,  
red.izd-va; ZAMARAYEVA, R.A., tekhn.red.

[Bottom morphology of the world ocean] Morfologija dna mirovogo okeana.  
Moskva, Izd-vo Akad. nauk SSSR, 1963. 226 p. (Geograficheskoe obshchestvo  
SSSR. Zapiski Novaia seriya, vol.23) (MIRA 16:3)

1. Prezident Geograficheskogo obshchestva SSSR (for Pavlovskiy).  
(Ocean bottom)

GANKEL', Ya.Ya.

Nikolai Ivanovich Evgenov, 1888-1964. - kieanologiiia 4 no.5:929-931  
'64 (MIRA 18:1)

GORDIYENKO, Pavel Afanas'yevich kand. geogr. nauk; GAKKEL',  
Ya.Ya., doktor geogr. nauk

[Uncovering the secrets of the central Arctic] Raskrytie  
tain TSentral'noi Arktiki. Leningrad, Ob-vo "Znanie"  
RSFSR, 1964. 59 p. (MIKA 17:6)

VORONOV, P. S. kand geol-mineral nauk; GAKKEL', Ya. Ya., doktor geograf.  
nauk, prof.; KATTERFEL'D, G. N., kand. geograf. nauk; LUNGERSGAUZEN,  
G. F., doktor geol.-mineral nauk, prof.; SUSLOV, A. K., kand fiz.-  
matem nauk; KHAIN, V. Ye., doktor geol.-mineral nauk, prof.;  
SHAFRANOVSKIY, I. I., doktor geol.-mineral nauk, prof.;  
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FUCHIK, Julius [Fučík, Julius]; POZHEZHINSKAYA, O.A.[translator]:  
GAKKEL', Ya.Ya., oty. red.

[Conquest of the North Pole; a report on the reality  
which surpassed the phantasy of Jules Verne] Zavcevanie  
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nauk, red.; OKSENOVA, Ye.I., red.

[Shelf ice of Queen Maud Land] Shel'fovye ledniki Zemli  
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1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy  
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GAKKEL', Ye. Ya.

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Translation W-15293, 27 Nov 50

GAZKEL<sup>1</sup>, Yekaterina Yakovlevna

[Diesel locomotives] Teplovozy. Moskva, Znanie, 1955. 31 p. (Vse-sociuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.4, no.34) (MLRA 10:1)  
(Diesel locomotives)

Name: GAKKEL' Yekaterina Yakovlevna

Dissertation: Locomotive power circuit with electric transmission

Degree: Doc Tech Sci

Affiliation: /not indicated/

Defense Date, Place: 9 Nov 55, Council of Leningrad Order  
of Lenin Inst of Engineers of Railroad  
Transport imeni Obraztsov

Certification Date: 29 Jun 57

Source: BMVO 18/57

GAKKEL', Ye.Ya., kandidat tekhnicheskikh nauk.

Experience with remote control operation of electric locomotives.  
Elek. i tepl. tiaga no. 6:46-48 Je '57. (MIRA 10:8)  
(France--Electric locomotives)

GAKKEL, Ye.Ya.

112-2-3505

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,  
Nr 2, p.144 (USSR)

AUTHOR: Gakkel', Ye.Ya.

TITLE: The ЛИИЗТ System on Soviet Diesel Locomotives  
(Skhema LIIZT na otechestvennykh teplovozakh)

PERIODICAL: In sbornik: Materialy nauch-tekhn. soveshchaniya po  
tyagovomu elektrooborudovaniyu. Noyabr' 1953, Riga,  
1955, pp.94-95

ABSTRACT: This system is the first system for the integrated automatic regulation of Diesel-locomotive electric systems to be put into effect on the Soviet Diesel locomotives T<sub>3</sub>-1-300 and T<sub>3</sub>-2-150. Constant load on the primary motor is maintained by utilizing certain variable parameters of the power circuit as control signals. These variables are a function of the external load of the locomotive and of the state of its power-circuit elements. The multiple winding amplidyne (MWA) with a transverse field is used as an exciter-controller. Signals depending on the generator

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The ПИИЖСТ System on Soviet Diesel Locomotives (Cont.)

load current, MWA voltage and primary motor speed are fed to the MWA exciter windings. The first connection serves to effect control for a considerable part of the self-regulation range. The second connection ensures compensation in that part of the external generator characteristic in which the effect of the first connection inordinately lowers the voltage. The third connection integrates the automatic regulation of the whole power circuit, preventing overloading and underloading of the circuit. On experimental Diesel locomotives, the signal which depends on primary motor speed is fed by a tachometer generator.  
[The Leningrad Railroad Transportation Institute Imeni Academician V.N. Obraztsov.] I.V.I.

ASSOCIATION: The Leningrad Railroad Transportation Institute Imeni Academician B.N. Obraztsov (Leningradskiy institut zh.-d. transporta im.akad. V.N. Obraztsova Leningrad)

Card 2/2

GAKKEI 6. Ya

AUTHOR: Sergeyev, A. S., Docent 105-58-4-26/37

TITLE: Dissertations (Dissertatsii)

PERIODICAL: Elektrichestvo, 1958, Nr 4, pp. 85-86 (USSR)

ABSTRACT: For the degree of Doctor of Technical Sciences  
1955-1956.

V. Ye. Bogolyubov, on June 30, 1955, at the Scientific  
Council of the Moscow Institute for Power Engineering  
(uchenyj sovet Moskovskogo energeticheskogo instituta):

"Transient Processes in Ferro-Resonance Circuits With  
Preliminary Magnetization". Official opponents were:

The Corresponding Member of the AS USSR L. R. Neyman,  
Doctor of Technical Sciences Professor V. G. Komar and  
Doctor of Technical Sciences Professor N. V. Gorokhov.

Ye. Ya. Gakkel', on November 9, 1955, at the Scientific  
Council of the Leningrad Institute for Railroad Traffic  
Engineers (uchenyj sovet Leningradskogo instituta in-  
zhenerov zheleznodorozhnogo transporta): "Energetic Cir-  
cuit of a Diesel Locomotive With Electric Drive". Offi-  
cial opponents were: Doctor of Technical Sciences Pro-

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Dissertations

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fessor A. V. Fateyev, Professor K. A. Shishkin, Corresponding Member of the AS USSR A. Ye. Alekseyev.

T. P. Gubenko, on November 25, 1955, at the Scientific Council of the Moscow Institute for Power Engineering (uchenyy sovet Moskovskogo energeticheskogo instituta): "The Induction Motor in Braking". Official opponents were: Doctor of Technical Sciences Professor M. G. Chilikin, Doctor of Technical Sciences Professor G. N. Petrov and Doctor of Technical Sciences Professor A. T. Golovan.

V. A. Golubtsova, on December 30, 1955, at the Scientific Council of the Moscow Institute for Power Engineering (uchenyy sovet Moskovskogo energeticheskogo instituta): "History and Prospects of the Development of Electroinsulation Materials for Electric Machines, Apparatus, Lines and Cables". Official opponents were: Doctor of Technical Sciences Professor N. V. Aleksandrov, Doctor of Technical Sciences Professor G. N. Petrov and Doctor of Technical Sciences Professor L. D. Bel'kind.

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Dissertations

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Yu. V. Dolgolenko, on February 6, 1956, at the Scientific Council of the Leningrad Polytechnical Institute imeni Kalinin (uchenyj sovet Leningradskogo politekhnicheskogo instituta im. Kalinina): "Slip in Relay Systems With Indirect Control". Official opponents were: Doctor of Physico-Mathematical Sciences Professor N. V. Butenin, Doctor of Technical Sciences Professor Ye. P. Popov and Doctor of Technical Sciences Professor Ya. Ye. Taypkin.

A. M. Fedoseyev, on May 25, 1956, at the Scientific Council of the Moscow Institute for Power Engineering (uchenyj sovet Moskovskogo energeticheskogo instituta): "Relay Protection of Electrical Systems". Official opponents were: Doctor of Technical Sciences Professor I. A. Syromyatnikov, Doctor of Technical Sciences Professor I. M. Markovich and Doctor of Technical Sciences Professor L. Ye. Ebin.

L. A. Bessonov, on June 14, 1956, at the Scientific Council of the Institute for Automation and Remote Control of the AS USSR (uchenyj sovet Instituta avtomatiki i telemekhaniki AN SSSR): "Automodulation and Some Dynamic Phenomena in Electric Circuits With Steel". Official

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Dissertations

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opponents were: Corresponding Member of the AS USSR Professor L. P. Neyman, Doctor of Technical Sciences Professor Yu. G. Tolstov and Doctor of Technical Sciences M. A. Rozenblat.

B. I. Rozenberg, on June 30, 1956, at the Scientific Council of the Leningrad Polytechnical Institute imeni Kalinin (uchenyj sovet Leningradskogo politekhnicheskogo instituta im. Kalinina): "Energy Losses in High-Voltage Networks and Methods for Their Reduction". Official opponents were: Doctor of Technical Sciences Professor V. I. Ivanov, Doctor of Technical Sciences Professor N. N. Shchedrin and Doctor of Technical Sciences Professor V. V. Bolotov.

G. M. Tikhodeyev, on June 30, 1956, at the Scientific Council of the Leningrad Polytechnical Institute imeni Kalinin (uchenyj sovet Leningradskogo politekhnicheskogo instituta im. Kalinina): "Energetic Properties of an High-Power Electric Arc" (Welding Type)". Official opponents were: Corresponding Member of the AS USSR K. K. Khrenov, Doctor of Technical Sciences Professor O. B. Bron, Doctor of Technical Sciences Professor A. M. Zalesskiy and Doctor of Technical Sciences Professor A. B. Donskoy.

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Dissertations

105-58-4-26/37

R. R. Kharchenko, on June 30, 1956, at the Scientific Council of the Moscow Institute for Power Engineering (ucheryy sovet Moskovskogo energeticheskogo instituta): "Special Problems With Dynamic Magneto-Electric Apparatus". Official opponents were: Doctor of Technical Sciences Professor K. M. Polivanov, Doctor of Technical Sciences Professor V. O. Arutyunov and Doctor of Technical Sciences Professor L. F. Kulikovskiy.

AVAILABLE: Library of Congress

1. Power engineering-Reports

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